[ANARTS - Australian National Amateur Radio Teletype Society]

This is the Australian National Amateur Radio Society with our weekly RTTY broadcast. We transmit on the following frequencies and times :

3.545 MHz (Plus/minus 5)	0930 UTC	VK2CTD (COL)
7.045 MHz -3	0030 UTC	VK2CTD (COL)
14.070 MHz (amtor/fec)	0030 UTC	VK2DPM (ALAN)
14.091 MHz	0030 UTC	VK2DPM (ALAN)
146.675 MHz	0030/0930 UTC	VK2JPA (PAT)
144.850 MHz (ax25 bbs)		VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)		VK2RTY

INTERNET RADIO-INFO-DIST AT UCSD.EDU

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

A.N.A.R.T.S. News Bulletin 929 5 October 1996

COLS COLUMN

SOMMERING'S TELEGRAPH

THE ELECTRIC TELEGRAPH TOOK A PRACTICAL FORM DUE MUCH TO THE WORK DONE BY VOLTA, NICHOLSON, CARLISLE AND OERSTED. IT IS RECORDED THAT SOMMERING WAS INTRODUCED TO THE TELEGRAPH IN A MOST DRAMATIC WAY. ON 9TH APR 1809 AUSTRIAN TROOPS CROSSED THE INN, CAUSING KING MAXIMILLIAN TO LEAVE MUNICH FOR DILLINGEN. THE MINISTER FOR HOME AFFAIRS, MONTEGELAS TRAVELLED WITH MAXIMILLIAN. AFTER JELLACHICH THE AUSTRIAN GENERAL HAD OCCUPIED MUNICH, NAPOLEON RECEIVED NEWS OF THE DISASTER BY CHAPPES MECHANICAL TELEGRAPH AND LEFT PARIS FOR BAVARIA IN TIME TO LIBERATE MUNICH AND RESTORE MAXIMILLIAN ON 22ND APRIL. THIS MEANS OF RAPID COMMUNICATION IMPRESSED ALL CONCERNED, ESPECIALLY MONTEGELAS, WHO WITNESSED THE ASTONISHMENT CAUSED BY NAPOLEON'S ARRIVAL IN BAVARIA. MONTEGELAS WAS A FRIEND OF SOMMERING AND DINED WITH HIM ON 5 JULY 1809. AN ENTRY IN SOMMERING'S DIARY RECORDS THAT THE MINISTER 'WISHED TO RECEIVE PROPOSALS FOR A TELEGRAPH'.

SOMMERING DEVELOPED WHAT WOULD NOW BE CALLED A PILOT PROGRAM. IT WAS A SMALL SCALE INVESTIGATION TO DEMONSTRATE THE PRACTIBILITY OF THE PRINCIPLES HE PROPOSED TO APPLY. BRIEFLY HIS TELEGRAPH SYSTEM CONSISTED OF A NUMBER OF WIRES COVERED WITH SEALING WAX FOR INSULATION, TERMINATED IN METALS RODS. THESE RODS WERE INSERTED INTO THE BOTTOM OF TRANSPARENT CONTAINERS THAT CONTAINED SLIGHTLY ACIDULATED WATER. THIS WAS THE END OF THE LINE AT WHICH THE MESSAGE WAS RECEIVED. AT THE TRANSMITTING END, ANY TWO OF THE COMMUNICATING WIRES COULD BE CONNECTED TO A VOLTAIC PILE MADE UP OF FIFTEEN PAIRS OF DISCS (SEE LAST WEEKS CAST). WHEN THE CURRENT FLOWED GASES BUBBLED UP IN THE REQUIRED CONTAINER AT THE RECEIVING END OF THE LINE.

THIS PROTOTYPE MODEL OF HIS TELEGRAPH USED FIVE WIRES WHICH TRANSMITTED COMBINATIONS OF THE LETTERS A, B, C, D AND E. IT WAS SO SUCCESSFUL THAT HE STARTED WORK ON HIS MAIN APPARATUS. HIS DIARY FOR AUGUST 6TH SAYS ' I HAVE TRIED THE ENTIRELY

FINISHED APPARATUS WHICH COMPLETELY ANSWER MY EXPECTATIONS. IT WORKS QUICKLY THROUGH WIRES OF 362 PRUSSIAN FEET' (BEFORE ANYONE ASKS I DO NOT KNOW THE LENGTH OF A PRUSSIAN FOOT).

THE NUMBER OF WIRES HAD INCREASED TO THIRTY FIVE AND WERE TERMINATED IN GOLD POINTS TO AVOID CORROSION. THERE WAS ALSO A BUILT IN ALARM TO ADVISE THE RECEIVING OPERATOR OF AN INCOMING MESSAGE.

SOMMERINGS TELEGRAPH ATTRACTED MUCH ATTENTION WITH AN IMPRESSIVE LIST OF ARISTOCRACY WHO HONOURED HIM WITH VISITS TO EXAMINE HIS INVENTION. THE MOST IMPORTANT OF THESE WAS SCHILLING, A MEMBER OF THE RUSSIAN MISSION TO BAVARIA. A PERIOD OF COLLABORATION AND A LIFE-LONG FRIENDSHIP OCCURED THAT SURVIVED THE POLITICAL UPSETS BETWEEN THEIR COUNTRIES.

ONE OF THE IMPORTANT EXPERIMENTS CARRIED OUT BY THE PAIR SHOULD BE MENTIONED. ON THE 5TH JUNE 1811, AT SCHILLINGS SUGGESTION THE CONNECTING WIRES OF THE SYSTEM WERE BROKEN AND THE ENDS DIPPED INTO WATER. THE SYSTEM STILL WORKED, A TRIBUTE TO THE SENSITIVITY OF THE 'GAS BUBBLE' INDICATOR. PRESUMABLY ONE OF THE WIRES WAS LEFT INTACT.
A FEW DAYS LATER COMMUNICATIONS WAS CARRIED OUT ALONG THE RIVER ISAR USING THE THE RIVER AS THE RETURN, OR, EARTH WIRE, THUS ALLOWING OTHER EXPERIMENTERS TO DO THE SAME, ESPECIALLY LATER WITH TRAMS WHERE THE RAILS WHERE USED AS THE RETURN WIRE. ALTHOUGH A SUCCESSFUL TELEGRAPH, SOMMERINGS INVENTION GAVE WAY TO THE MORE SUCCESSFUL ELECTRO-MAGNETIC TELEGRAPH WHICH WE SHALL KEEP FOR ANOTHER TIME.

FOR NOW 73S DE COL.

WEEKLY SOLAR AND GEOPHYSICAL REPORT

(27 SEPTEMBER - 03 OCTOBER)

ISSUED ON 04 OCTOBER 1996

SUMMARY

Date	27	28	29	30	01	02	03
10cm	70	71	70	70	70	70	70
A	18	19	8	5	3	13 (10 estimated)	
T	-11	7	1	3	1	10	-1

SOLAR ACTIVITY WAS VERY LOW ALL WEEK.

THE GEOMAGNETIC FIELD AT LEARMONTH W.A. WAS QUIET 0N 30TH SEPTEMBER; QUIET TO UNSETTLED 27TH AND 29TH, AND 1ST TO 2ND OCTOBER; UNSETTLED TO ACTIVE ON 3RD OCTOBER.

MAXIMUM USABLE FREQUENCIES AT SYDNEY WERE DEPRESSED 15 TO 30 PER CENT OM 27TH SEPTEMBER AND 3RD OCTOBER; OTHERWISE, NEAR PREDICTED MONTHLY VALUES.

FORECAST (04 OCOTBER - 10 OCTOBER)

SOLAR: VERY LOW

GEOMAGNETIC: EXPECTING UNSETTLED CONDITIONS, BUT ACTIVE CONDITIONS ARE POSSIBLE 7 TO 10 OCTOBER IF CORONAL ACTIVITY INCREASES.

FREQUENCIES: NEAR TO 10 PER CENT BELOW PREDICTED MONTHLY VALUES.

COURTESY OF IPS RADIO AND SPACE SERVICES

VK2SG RTTY DX NOTES FOR WEEKENDING 27 SEPT 96 (BID RTDX0927)

Our information this week came from: DJ3IW and the Central-Europe DX Cluster node DB0SPC, I5FLN and the IK5PWJ Packet Cluster, OH2BUA, ON6RO, W2JGR and the NJ0M node the Twin-Cities DX Packet Cluster W3FTG and W5KSI. Thank you all for your assistance.

Bandpass
Friday 20
1253-14085 TA2IO
1306-14085 9K2HN
1653-14085 4X6ZK
1749-14082 J53KX
1804-14086 XT2DP
1806-14083 OY4TN
1933-14086 Z37CEF
1943-14088 EA9JZ
2055-14088 5H3LM
2121-14085 4X6UO
2245-14084 5X1T

Saturday 21
0039-14082 FO5OP QSL POB 887, Raiatea, Fr. Polynesia
0554-14084 9K2HN
0936-14083 TP1OCE Eu. Council Strasburg
1103-14085 5B4/SM0TGG
1104-14083 UN5PR
1124-14086 9K2HN
1254-14082 5R8EN
1257-14085 4S7NR
1306-14084 5R8EN
1310-14089 FT5WE
1400-14083 HK3SGP
1410-14088 UR5MID
1524-14088 5R8EN
1525-14086 V85GA
1730-14083 SV5DDR
1739-14080 EA9MY
1742-14090 SV2CXJ
1900-14086 HK3SGP
1907-14083 VO1HP
1939-14082 SV1BDO/7
1949-14088 CP1PY
1958-14091 UT0ZZ
2140-14089 YV5KAJ
2023-14082 9G1UW
2335-14086 LU8EKC

Sunday 22
0136-14084 ZP6CC
0802-14083 UN5PR
0838-14084 TA2IO

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0857-14083  LY1DC
0918-14082  UA9TK
0955-14085  9K2HN
1004-14082  3A2JO
1037-14083  JT1FBB
1228-14086  EA9MY
1320-14083  UA9GAC
1321-14085  UN5PR
1543-14088  LZ1KIM
1544-14085  4X6UO
1641-14082  CN1AB
1744-14082  ZS6EZ Inverted
1903-14088  3DA0CA
1934-14083  LU6BEG
1944-14086  5X1T
2022-14089  GI0RDM
2024-14080  ZP6CC
2044-14085  HK3SGP
2048-14084  ON4UN
2048-14080  LU8EKC
2051-14084  ON4UN
2107-14084  ZP6CC

Monday 23
0317- 7083  VR6MW
0719-14089  VK3AMK
1107-14085  5B4/SM0TGG
1539-14083  4S7NR
1547-14088  V85GA
1805-14086  XT2DP
2050-14081  VE2ADL
2120-14086  HK5CKD
2232-14084  FG5GI
2236-14082  LU8EKC

Tuesday 24
0659-14087  5B4/SM0TGG
1430-14086  VK3AMK
1730-14088  CN1AB

Wednesday 25
1337-14083  VK3AMK
0654-14086  VK3AMK
2102-14084  J79QA
2217-14086  CU1AC
2219-14083  FG5FI

Thursday 26
1230-14081  EU1AZ
1235-14087  GI4SNC
1235-14087  GI3KVD
1535-14085  ES7FQ
1540-14082  JJ3SRU/6Y5
1555-21083  LW2FDM
1557-14086  EG7NTH
1611-14084  JJ3SRU/6Y5
1627-14088  Z31GX
1630-14087  9A1BHI
1632-14088  Z32GBC
1725-14081  EK6OCM
1711-14083  DU1AN
1725-14081  EK6OCM
1940-14083  9A1BHI
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2009-14083 9A1BHI

NOTES OF INTEREST:

ANGOLA, D2. Alex, PA3DZN plans to be active early October for at least 6 months or more. Look for him on RTTY.

CONFUSION, KH7. KH6BZF, Lee reminds us that the FCC has started to issue KH7 calls to Hawaii. These are not Kure Island.

MYANMAR, XZ. KF7AY, Warren Hill has announced that XZ1AN will be active 16-25 November. Warren states that the door to amateur radio has been re-opened. The Central Arizona DX Association will be an all mode, CW/SSB and RTTY operation.

Those participating from the New World Inya Hotel near the city or Yangon are, AB6ZV, AA7WP, JA1BK, K5VT, KC5AYR, KF7AY, N6BT, WA6CDR, N7NG, N7WTU, NZ7E, OH2BH, WA7LNW and WY7K. Three Yeasu FT-1000MP's, Alpha amplifiers, mono band yagis and other special low band antennas will be used. This intense activity from this rare location, will make a great opportunity for all to work XZ. More to follow as we approach.

SILENT KEY, W0HAH. We mourn the loss of beloved RTTY DXer, Bob Stanek, W0HAH who became a silent key 16 September 1996 at the age of 72.

The VK2SG RTTY DX NOTES are also available on the Internet at reflector <digital-dx(AT)st.rim.or.jp>. Check also the OH2BUA Webcluster at URL <http://www.clinet.fi/jukka/webcluster.html>.

For next week's bulletin send your bandpass to
Jules, W2JGR at W5KSI.HASHSIGNNOLA.LA.USA.NA

REMEMBER, DX DON'T SLEEP.
GL DE BOB, WB2CJL at W5KSI.HASHSIGNNOLA.LA.USA.NA

ARLD044 DX news

This week's bulletin was made possible with info provided by Tedd, KB8NW, The OPDX Bulletin, Chris, G4BUE, The DX News Sheet, Charles, S92SS, the Yankee Clipper Contest Club PacketCluster network and Contest Corral from QST. Thanks to all.

SPRATLY ISLANDS, 1S. Jaan, 9M2JJ, has obtained permission from the Malaysian authorities to operate from Pulau Layang, but with a 9M6 call sign instead of the traditional 9M0 call sign. Jaan has filed another application, referencing the previous 9M0A and 9M0S operations and is awaiting a reply.

UGANDA, 5X. Peter, ON6TT/5X1T, reports Gus, 5X1D, has been active on 160 meters on 1823 kHz between 0230z and 0330z.

MOROCCO, CN. Andy, DL2GGA, will be here October 15 to 24, and plans to be active from the club station CN8MC, but probably using his own CN call sign which has not been issued yet. He will try to be active on all HF bands, CW only. QSL via DL2GGA bureau is preferred, but urgent requests via 95/96 CBA.

SYRIA, YK. Look for YK1B from September 28 to October 7. Details on this operation are very slim, but it was reported that this group will put an emphasis on 160 meters. QSL via DL8HCZ.

SAO TOME AND PRINCIPE, S9. Charles, S92SS, has resumed operations on 160 meters on Friday and Saturday evenings when possible, between 2230 and 0300 UTC. He will be active until June 1997.

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 271

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, AD1C, K2YJL, KA2AEV, N3ADL, KJ4VH, W5IJU & Island News, KF7AY, W8KKF, W9JOO, CT1EEB, DL2GGA, DJ8WL, G4BUE & the DX News Sheet, IK1DPA, ON6TT and VE2ZP/VE9CB following DX information.

C6, BAHAMAS. John, K3TEJ, and Ed, WA3WSJ, plan to operate in the CQWW CW contest (November 23-24th) from Abaco Island (IOTA NA-80). QSL via K3TEJ.

KC6, BELAU. The "Island News" reports Paul, LX2AA, will be active in the CQWW SSB Contest as KC6GB (or T82AA), and possibly just as T88A from Helen Reef in Palau's southwest islands (possibly a new IOTA reference). QSL via CBA.

COMING EVENTS

OCTOBER 19TH-20TH JARTS WW RTTY

LATE NEWS FLASH

THE WORLD WIDE PLACINGS AND COUNTRY/STATE PLACINGS FOR THE AMARTS WW RTTY CONTEST WILL APPEAR IN NEXT WEEKS CAST. WATCH THIS SPACE....

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VKWI2, or the Secretary (Pat) VK2JPA at VK2WI.

Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We are looking for-ward to news from your areas to let other amateurs know what you are doing in the hobby. Hope to hear from you.

73s de Pat VK2JPA Broadcast Officer

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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99